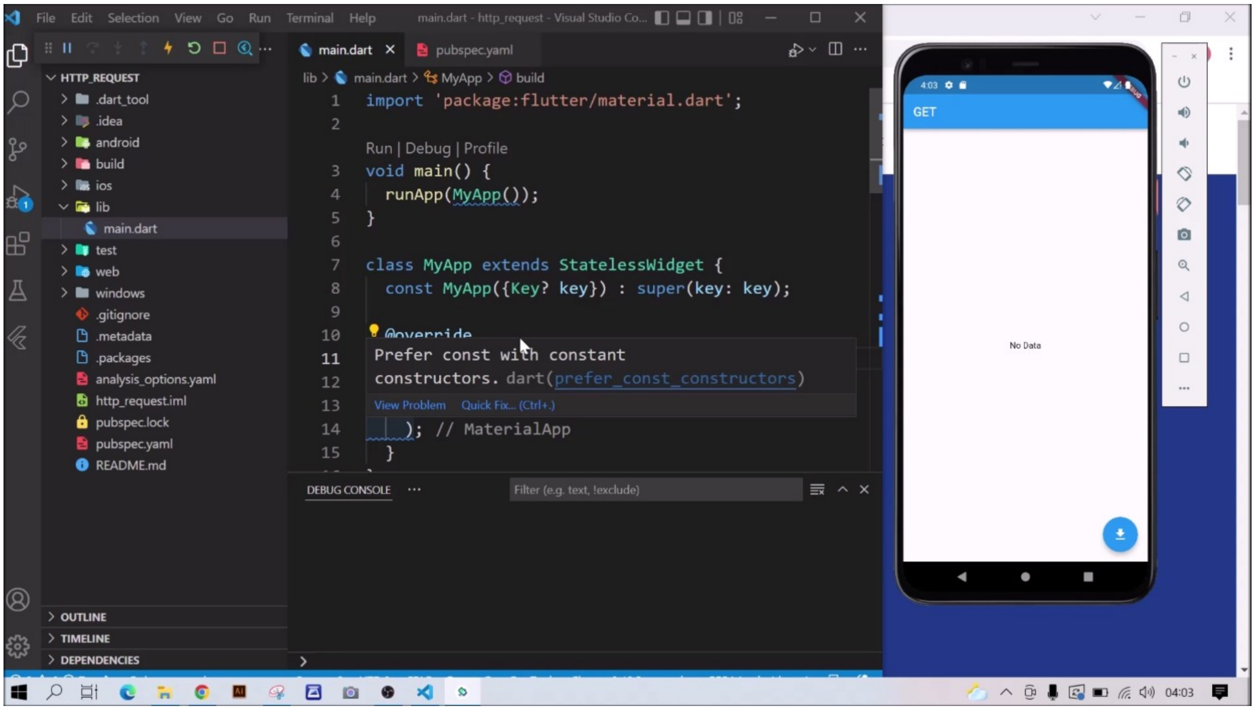

File Edit Selection View Go Run Terminal Help
main.dart - http_request - Visual Studio Co...
main.dart
pubspec.yaml
lib > main.dart > MyApp > build
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
DEBUG CONSOLE
Filter (e.g. text, !exclude)
GET
No Data
04:03

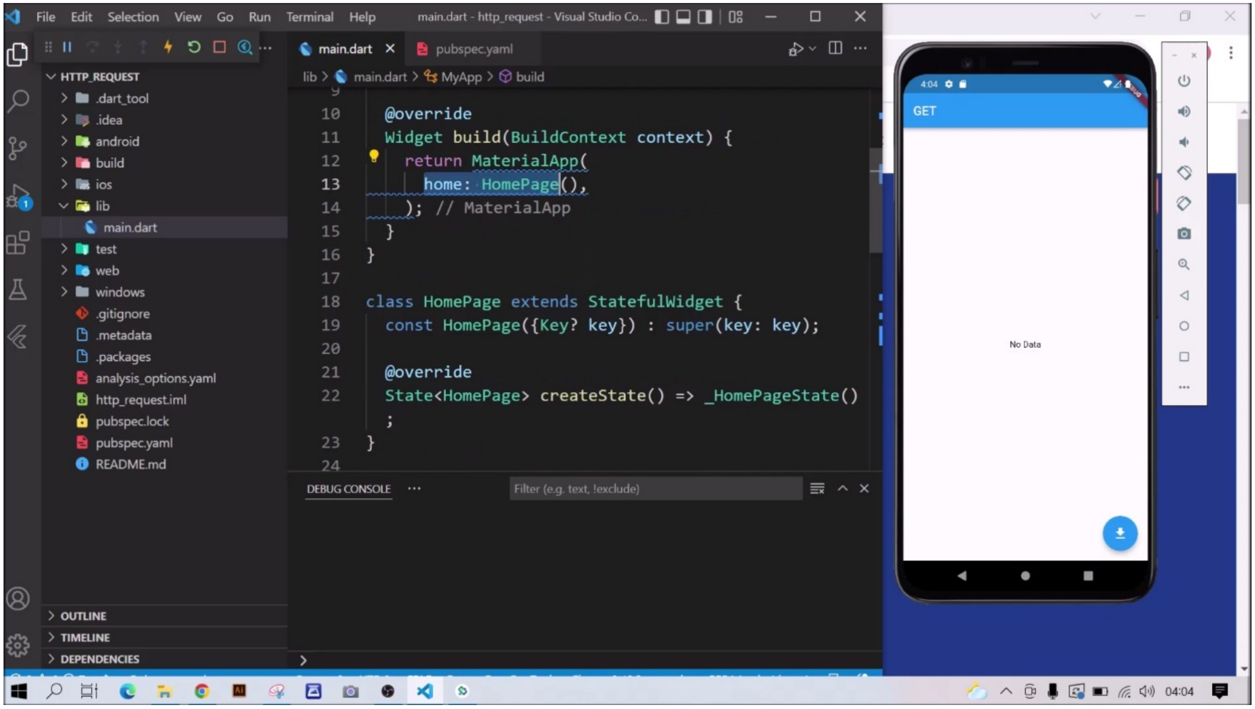
```
import 'package:flutter/material.dart';

Run | Debug | Profile
void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  @override
```

Prefer const with constant constructors. dart(prefer_const_constructors)

View Problem   Quick Fix... (Ctrl+.)

```
    ); // MaterialApp
  }
```

Mencoba berkomunikasi https request dgn method get
Disini apa aplikasi


File Edit Selection View Go Run Terminal Help
main.dart - http_request - Visual Studio Co...
main.dart
pubspec.yaml
lib > main.dart > MyApp > build
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
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.packages
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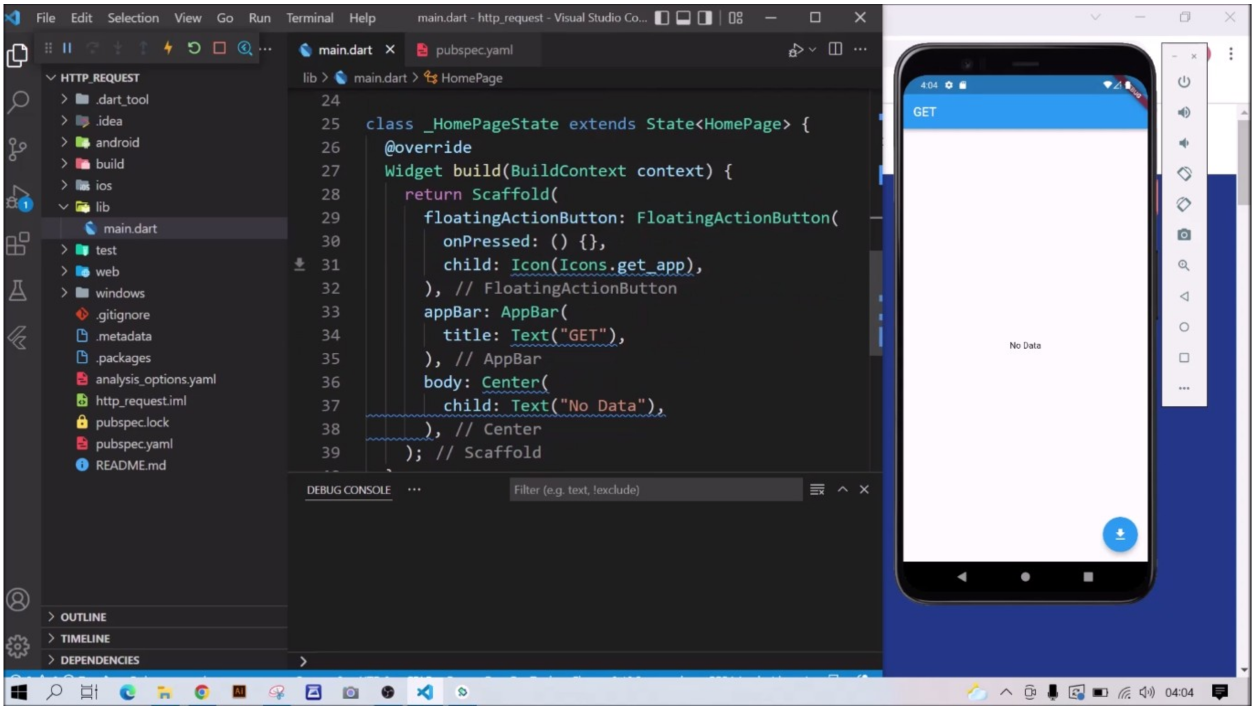
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
DEBUG CONSOLE
Filter (e.g. text, !exclude)
GET
No Data
04:04

```
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: HomePage(),
    ); // MaterialApp
  }
}

class HomePage extends StatefulWidget {
  const HomePage({Key? key}) : super(key: key);

  @override
  State<HomePage> createState() => _HomePageState()
  ;
}
```

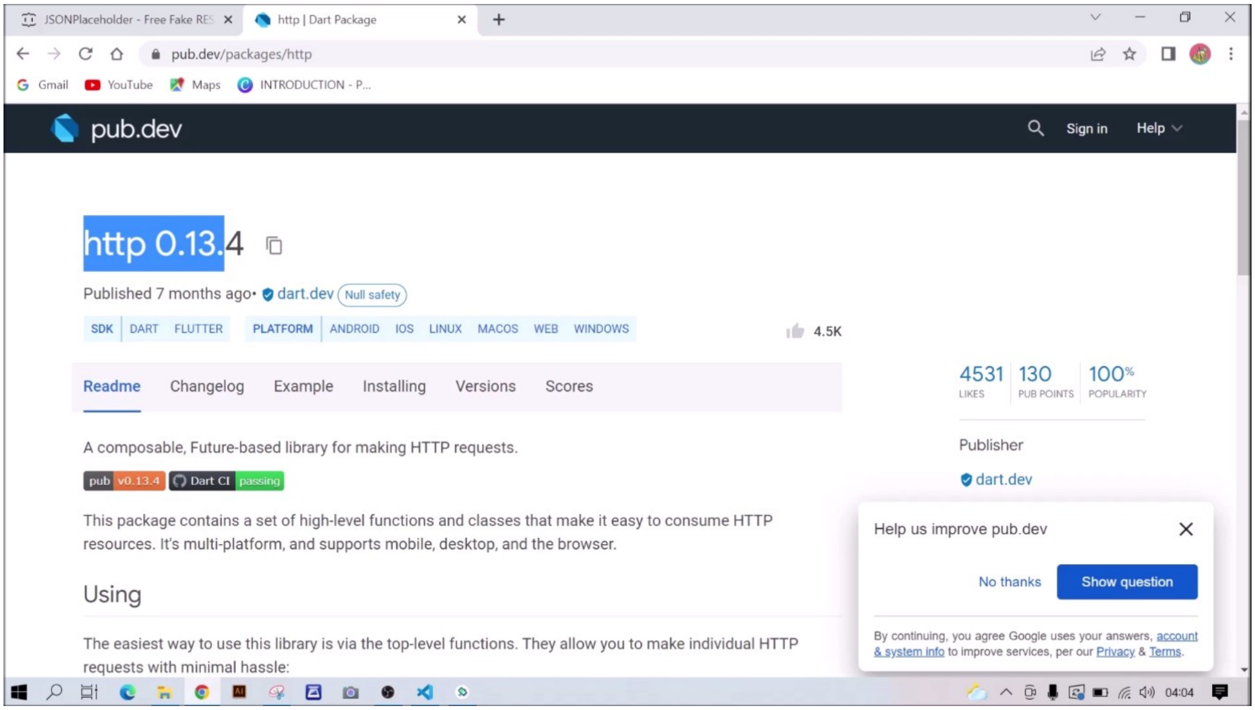
Kemudian didalamnya ada


File Edit Selection View Go Run Terminal Help
main.dart - http_request - Visual Studio Co...
main.dart
pubspec.yaml
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
lib > main.dart > HomePage
DEBUG CONSOLE
Filter (e.g. text, !exclude)
GET
No Data
04:04

```dart

class _HomePageState extends State<HomePage> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      floatingActionButton: FloatingActionButton(
        onPressed: () {},
        child: Icon(Icons.get_app),
      ), // FloatingActionButton
      appBar: AppBar(
        title: Text("GET"),
      ), // AppBar
      body: Center(
        child: Text("No Data"),
      ), // Center
    ); // Scaffold
```

Hanya ada text dan floating button
Buat seprti ini dahulu
Kemudian buka
Lalu cari


JSONPlaceholder - Free Fake RES
http | Dart Package
pub.dev/packages/http
Gmail
YouTube
Maps
INTRODUCTION - P...
pub.dev
Sign in
Help
04:04

http 0.13.4

Published 7 months ago • dart.dev Null safety

SDK DART FLUTTER PLATFORM ANDROID IOS LINUX MACOS WEB WINDOWS 4.5K

Readme Changelog Example Installing Versions Scores

4531 LIKES 130 PUB POINTS 100% POPULARITY

A composable, Future-based library for making HTTP requests.

pub v0.13.4 Dart CI passing

This package contains a set of high-level functions and classes that make it easy to consume HTTP resources. It's multi-platform, and supports mobile, desktop, and the browser.

Publisher

dart.dev

Help us improve pub.dev

No thanks Show question

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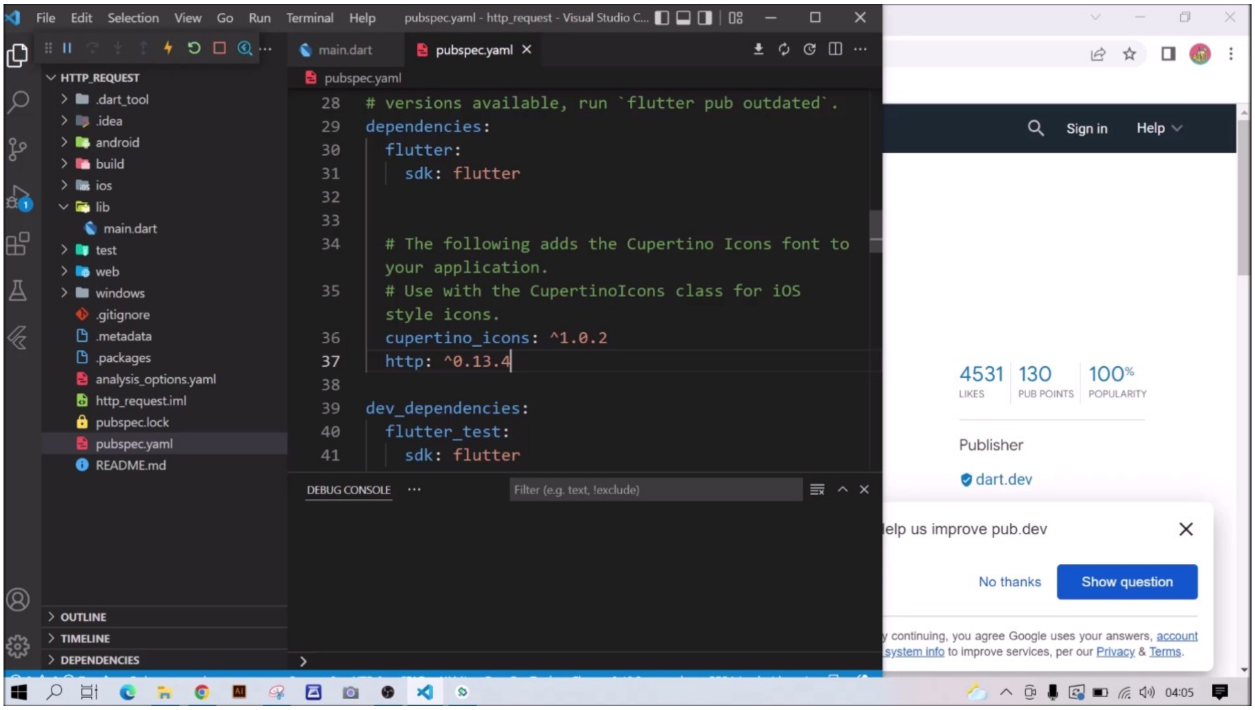
Using

The easiest way to use this library is via the top-level functions. They allow you to make individual HTTP requests with minimal hassle:

Tingal salin
Lalu install


File Edit Selection View Go Run Terminal Help
pubspec.yaml - http_request - Visual Studio C...
main.dart
pubspec.yaml
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
DEBUG CONSOLE
Filter (e.g. text, !exclude)
Sign in
Help
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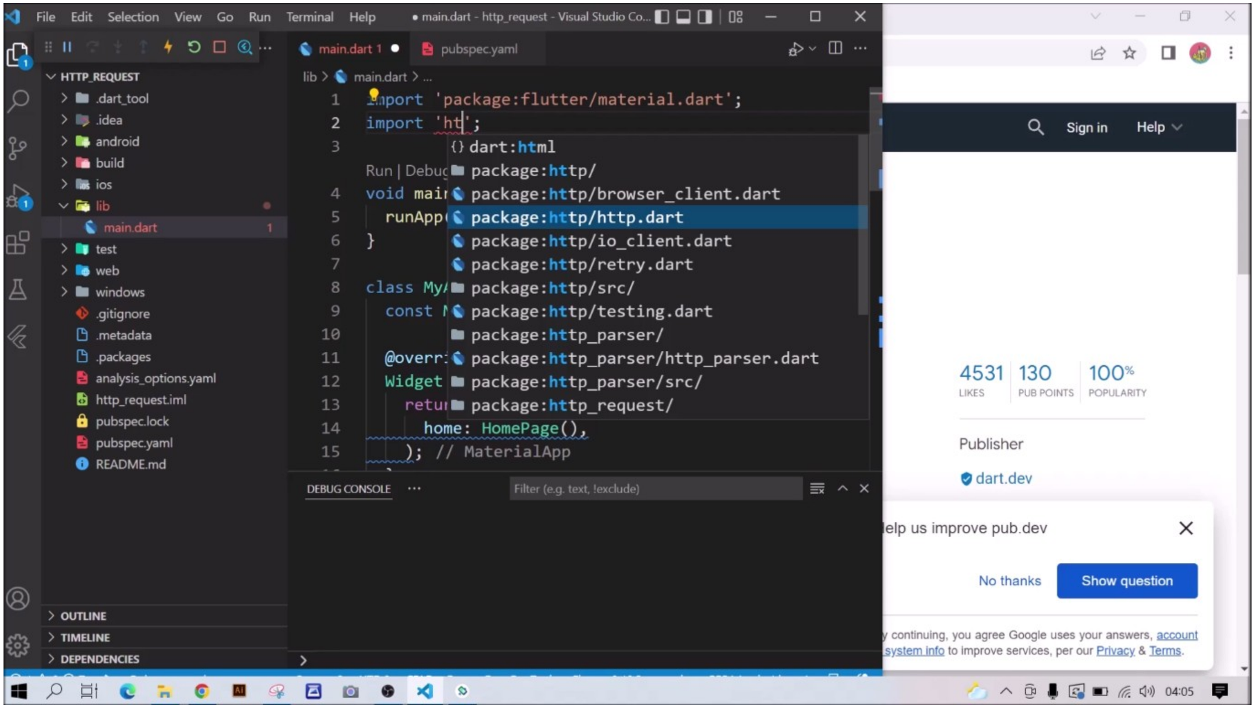
```
# versions available, run `flutter pub outdated`.
dependencies:
  flutter:
    sdk: flutter


  # The following adds the Cupertino Icons font to your application.
  # Use with the CupertinoIcons class for iOS style icons.
  cupertino_icons: ^1.0.2
  http: ^0.13.4

dev_dependencies:
  flutter_test:
    sdk: flutter
```

y continuing, you agree Google uses your answers, account system info to improve services, per our Privacy & Terms.

Kemudian paste
Maka dia akan get package
Kalua sudah selsai tingall import


File Edit Selection View Go Run Terminal Help
● main.dart - http_request - Visual Studio Co...
main.dart 1
pubspec.yaml
lib > main.dart > ...
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
DEBUG CONSOLE
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Sign in
Help
4531
LIKES
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PUB POINTS
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Publisher
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```
import 'package:flutter/material.dart';
import 'ht';

Run | Debuc
void mair
  runApp(
}

class My/
  const M

  @overr:
  Widget
    retu
      home: HomePage(),
    ); // MaterialApp
```

```
dart:html
package:http/
package:http/browser_client.dart
package:http/http.dart
package:http/io_client.dart
package:http/retry.dart
package:http/src/
package:http/testing.dart
package:http_parser/
package:http_parser/http_parser.dart
package:http_parser/src/
package:http_request/
```

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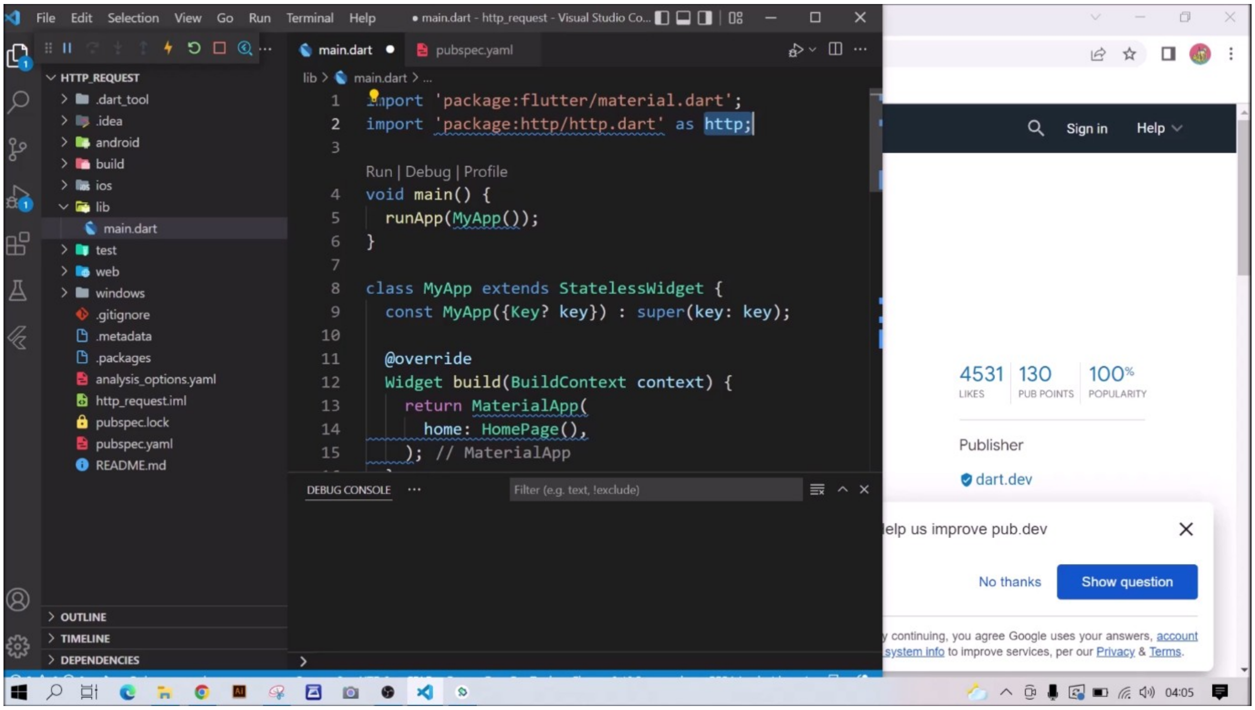
Hasil import ini akan membuat variable nya
Nati variable ini kita pakai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main.dart
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HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
lib > main.dart > ...
DEBUG CONSOLE
Filter (e.g. text, !exclude)
Sign in
Help
4531
LIKES
130
PUB POINTS
100%
POPULARITY
Publisher
dart.dev
elp us improve pub.dev
No thanks
Show question
04:05

```dart
import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;

Run | Debug | Profile
void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: HomePage(),
    ); // MaterialApp
```

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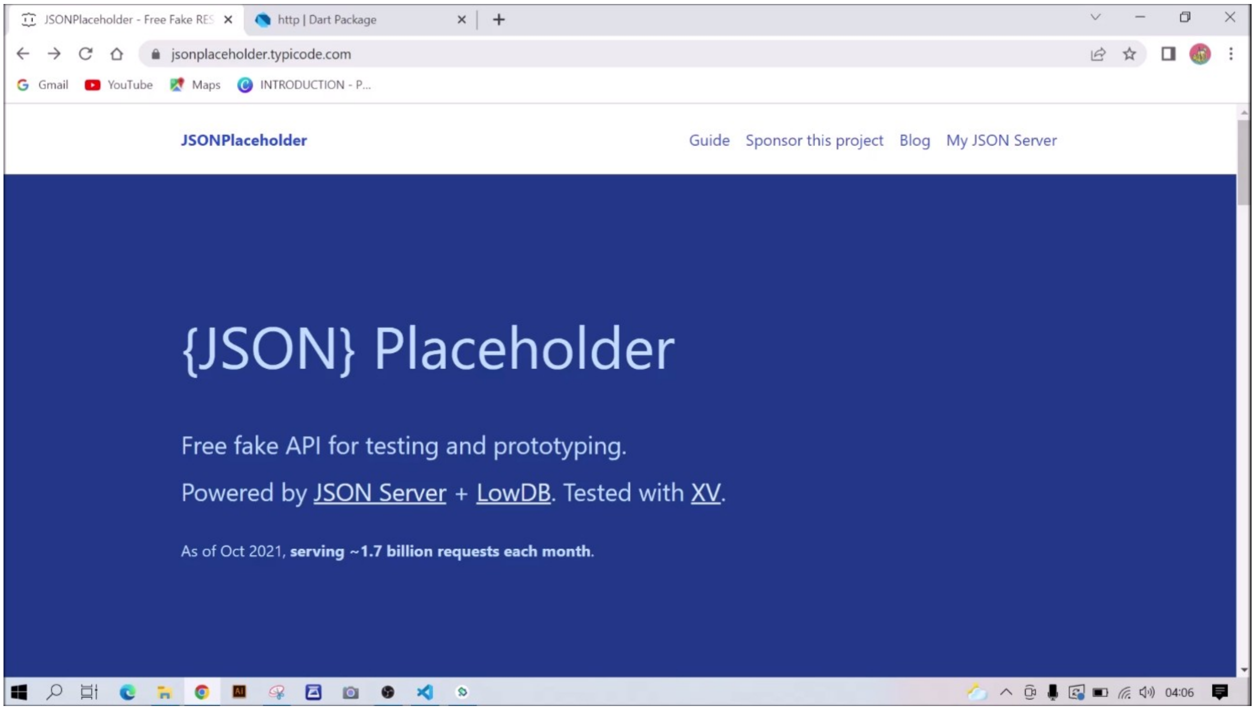
Sbelum kita membuat aplikasi
Bahas ide dahulu
Ketika diklik button maka datanya akan muncul
Data dari mana
Dari situs ini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http | Dart Package
jsonplaceholder.typicode.com
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INTRODUCTION - P...
JSONPlaceholder
Guide
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My JSON Server
04:06

{JSON} Placeholder

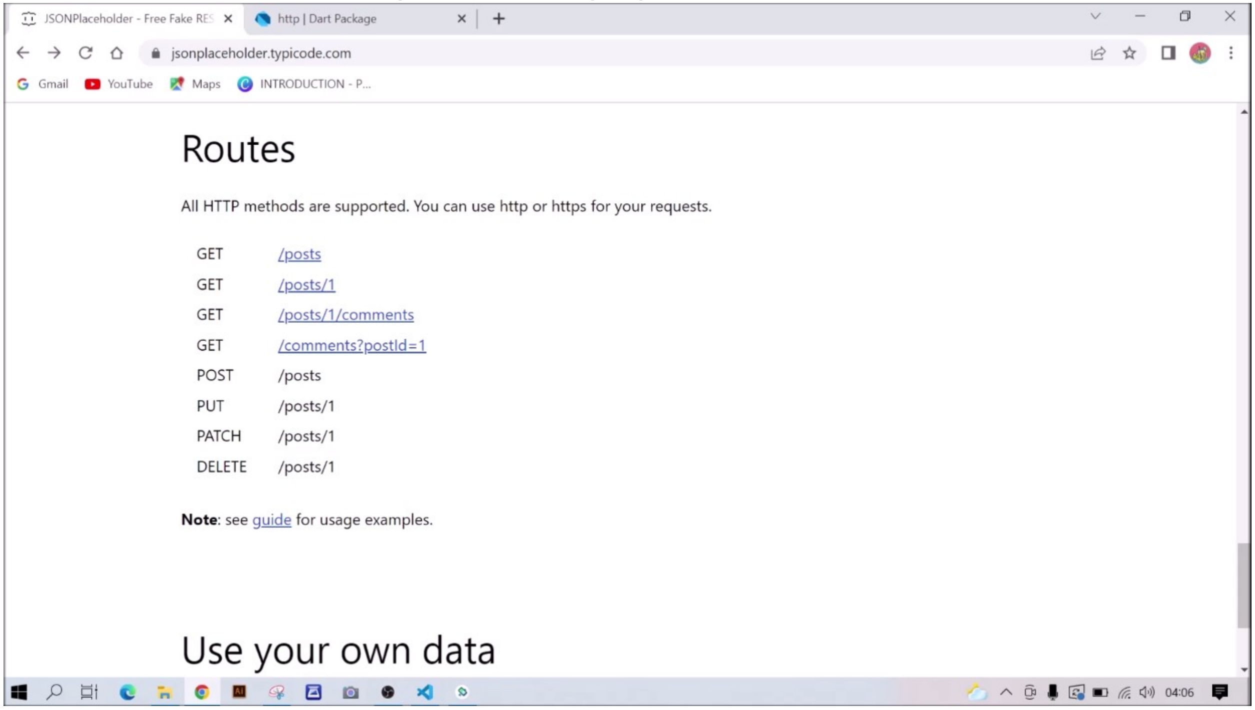
Free fake API for testing and prototyping.

Powered by JSON Server + LowDB. Tested with XV.

As of Oct 2021, **serving ~1.7 billion requests each month**.

Buka situs ini
Situs membuat Fake API atau API bohong2an sudah disiap kan dari json placholder
Dgn ini kita bisa membuat praktek tidak harus membuat dahulu

Disini sudah ada simple
Disini sudah ada metode nya sudah lengkap


JSONPlaceholder - Free Fake RES
http | Dart Package
jsonplaceholder.typicode.com
Gmail
YouTube
Maps
INTRODUCTION - P...
04:06

Routes

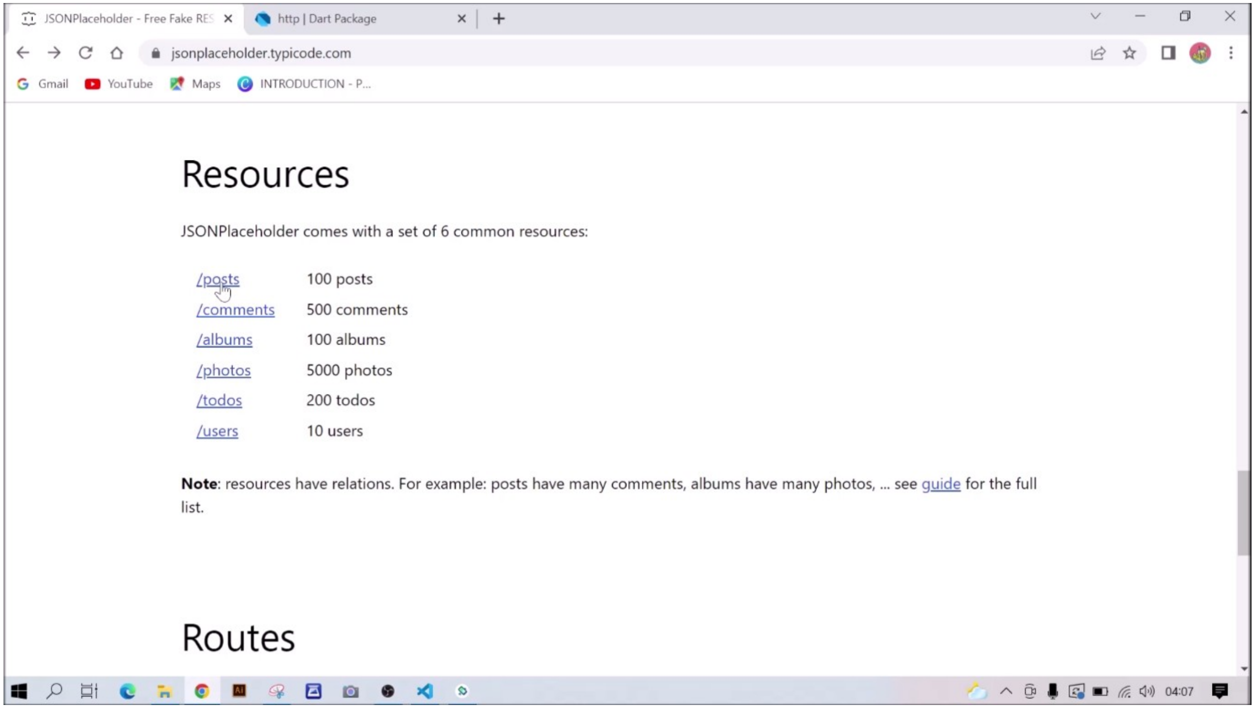
All HTTP methods are supported. You can use http or https for your requests.

GET	/posts
GET	/posts/1
GET	/posts/1/comments
GET	/comments?postId=1
POST	/posts
PUT	/posts/1
PATCH	/posts/1
DELETE	/posts/1

Note: see guide for usage examples.

Use your own data

Ini dipakai satu persatu
Tinggal pakai
Databse ini tidak bisa diubah tidak bisa dihapus
Ini hanya method aja atau bahan praktek
Yg pertama bahas method get
Kita bisa pakai data apa


JSONPlaceholder - Free Fake RES
http | Dart Package
jsonplaceholder.typicode.com
Gmail
YouTube
Maps
INTRODUCTION - P...
04:07

Resources

JSONPlaceholder comes with a set of 6 common resources:

/posts	100 posts
/comments	500 comments
/albums	100 albums
/photos	5000 photos
/todos	200 todos
/users	10 users

Note: resources have relations. For example: posts have many comments, albums have many photos, ... see guide for the full list.

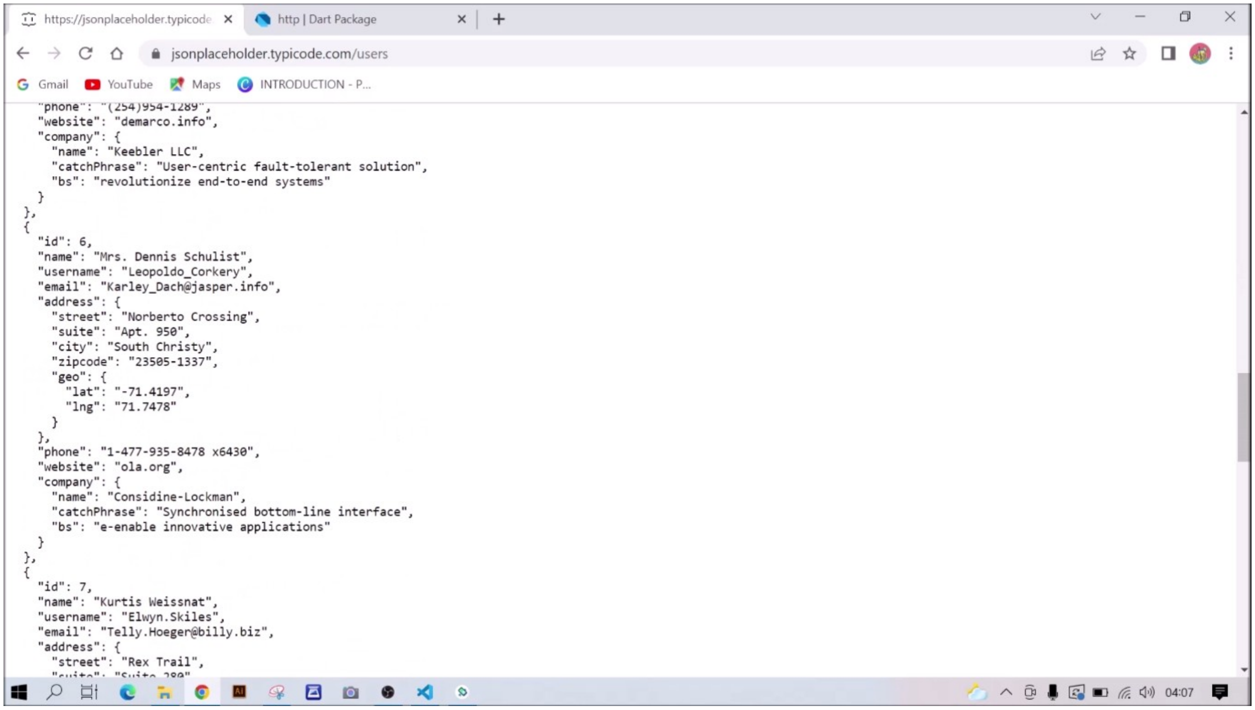
Routes

Ada post commet dll

Tapi kita pakai data users

Klik users ini method nya get

Jika diklik maka muncul semua data user ada 10


https://jsonplaceholder.typicode
http | Dart Package
jsonplaceholder.typicode.com/users
Gmail
YouTube
Maps
INTRODUCTION - P...
04:07

```
    "phone": "(254)954-1289",
    "website": "demarco.info",
    "company": {
      "name": "Keebler LLC",
      "catchPhrase": "User-centric fault-tolerant solution",
      "bs": "revolutionize end-to-end systems"
    }
  },
  {
    "id": 6,
    "name": "Mrs. Dennis Schulist",
    "username": "Leopoldo_Corkery",
    "email": "Karley_Dach@jasper.info",
    "address": {
      "street": "Norberto Crossing",
      "suite": "Apt. 950",
      "city": "South Christy",
      "zipcode": "23505-1337",
      "geo": {
        "lat": "-71.4197",
        "lng": "71.7478"
      }
    },
    "phone": "1-477-935-8478 x6430",
    "website": "ola.org",
    "company": {
      "name": "Considine-Lockman",
      "catchPhrase": "Synchronised bottom-line interface",
      "bs": "e-enable innovative applications"
    }
  },
  {
    "id": 7,
    "name": "Kurtis Weissnat",
    "username": "Elwyn.Skiles",
    "email": "Telly.Hoeger@billy.biz",
    "address": {
      "street": "Rex Trail",
```

Ada 10 users ini data yg dipakai nanti

Tetapi kita tidak menampilkan semua data

Pada video ini hanya menampilkan sigle atau satu data

Kedepan bahas semua data tapi kalai ini ada menampilkan satu data

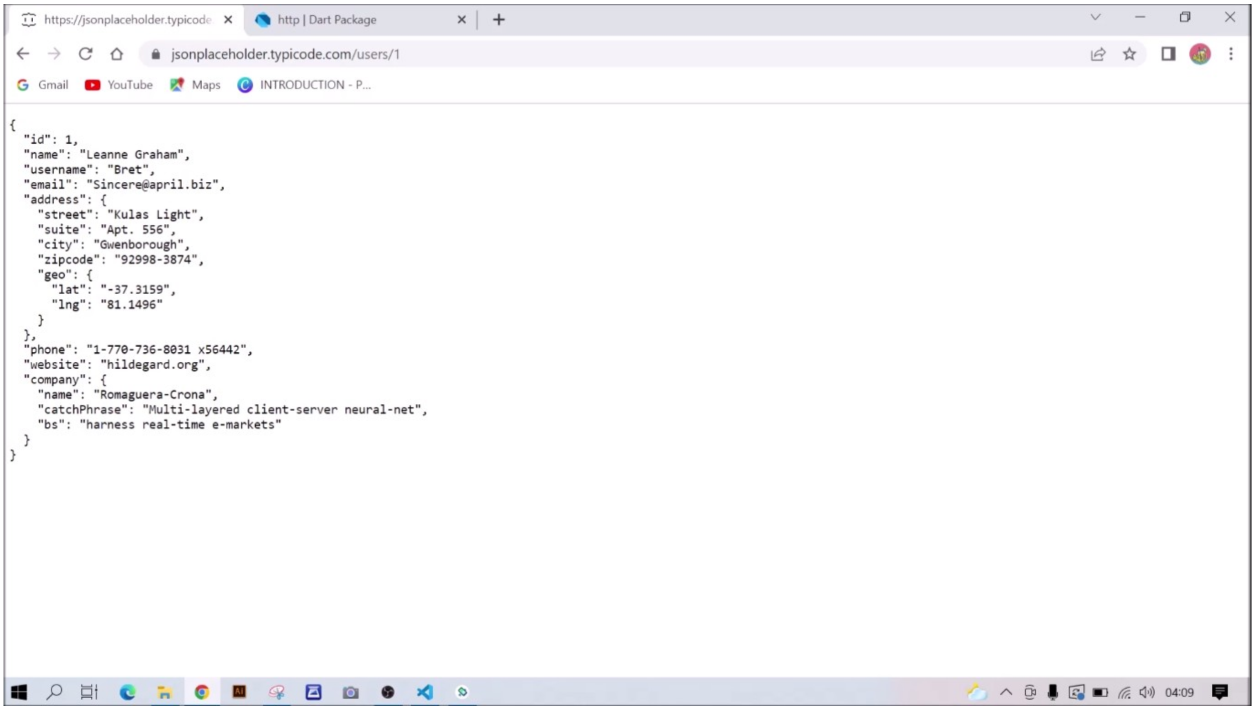
Kita memahami apa itu method get

Kita ambil 3

Ini adalah url yg kita pakai untuk menampilkan data ini

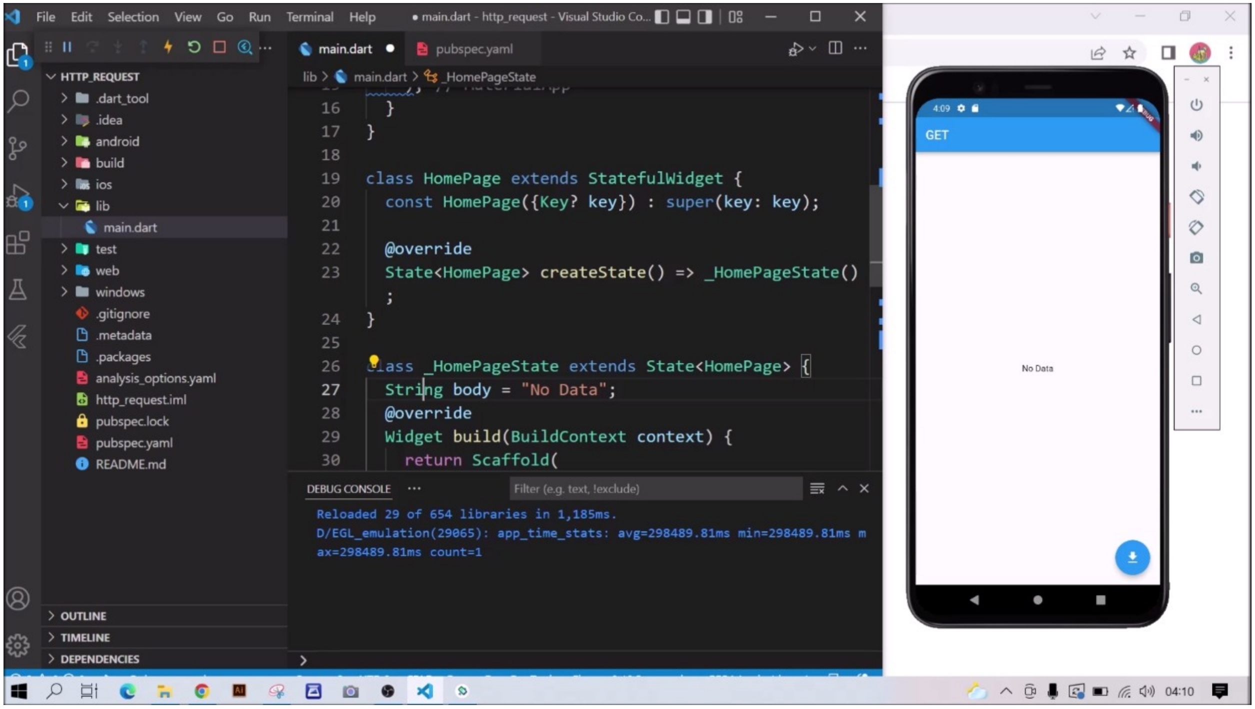
Jika ditambah url /1

Maka akan tampil user pertama


https://jsonplaceholder.typicode
http | Dart Package
jsonplaceholder.typicode.com/users/1
Gmail
YouTube
Maps
INTRODUCTION - P...
04:09

```
{
  "id": 1,
  "name": "Leanne Graham",
  "username": "Bret",
  "email": "Sincere@april.biz",
  "address": {
    "street": "Kulas Light",
    "suite": "Apt. 556",
    "city": "Gwenborough",
    "zipcode": "92998-3874",
    "geo": {
      "lat": "-37.3159",
      "lng": "81.1496"
    }
  },
  "phone": "1-770-736-8031 x56442",
  "website": "hildegard.org",
  "company": {
    "name": "Romaguera-Crona",
    "catchPhrase": "Multi-layered client-server neural-net",
    "bs": "harness real-time e-markets"
  }
}
```

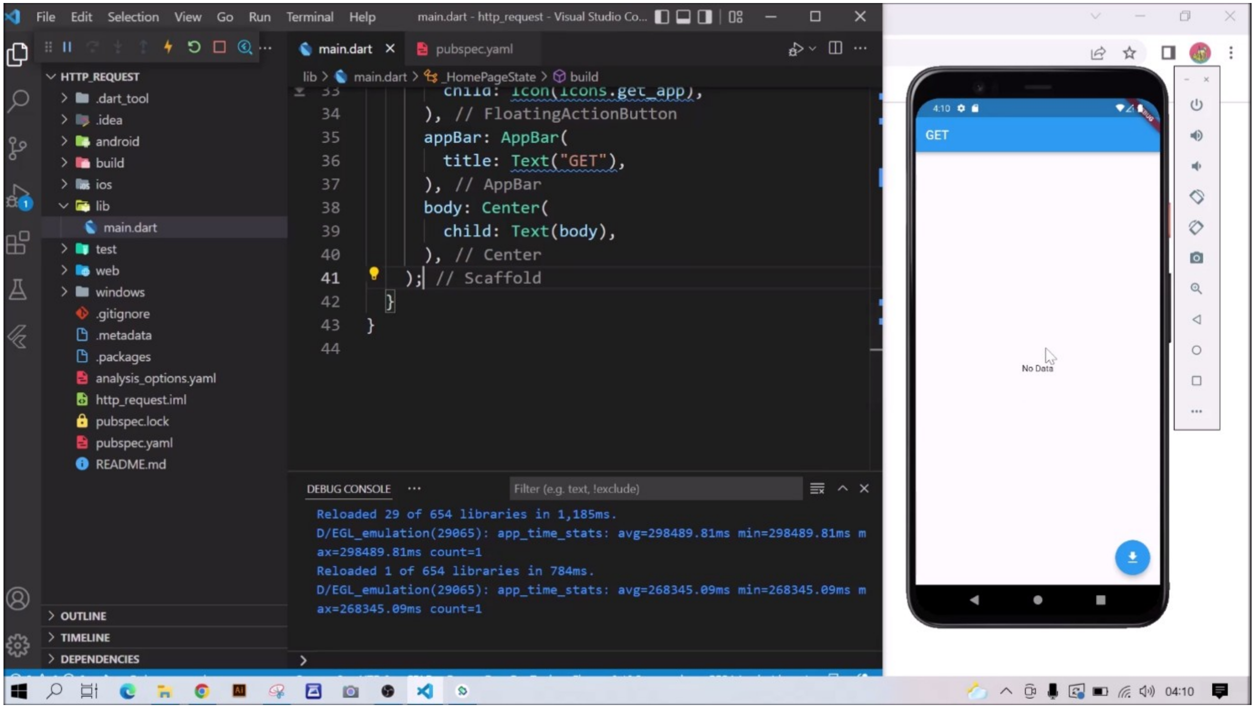
Menmpilkan id 1
Maka kita pakai https yg ini
Berikutnya ke kodingan
Disini untuk men get nya
Kita mebuat function baru
Tapi sebelumya
Text no data
Kita bungkus ke dalam variable


File
Edit
Selection
View
Go
Run
Terminal
Help
• main.dart - http_request - Visual Studio Co...
main.dart
pubspec.yaml
lib > main.dart > _HomePageState
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
DEBUG CONSOLE
Filter (e.g. text, !exclude)
4:09
GET
No Data
04:10

```
  }
}

class HomePage extends StatefulWidget {
  const HomePage({Key? key}) : super(key: key);

  @override
  State<HomePage> createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  String body = "No Data";
  @override
  Widget build(BuildContext context) {
    return Scaffold(
```

```
Reloaded 29 of 654 libraries in 1,185ms.
D/EGL_emulation(29065): app_time_stats: avg=298489.81ms min=298489.81ms max=298489.81ms count=1
```

Kemudian ganti



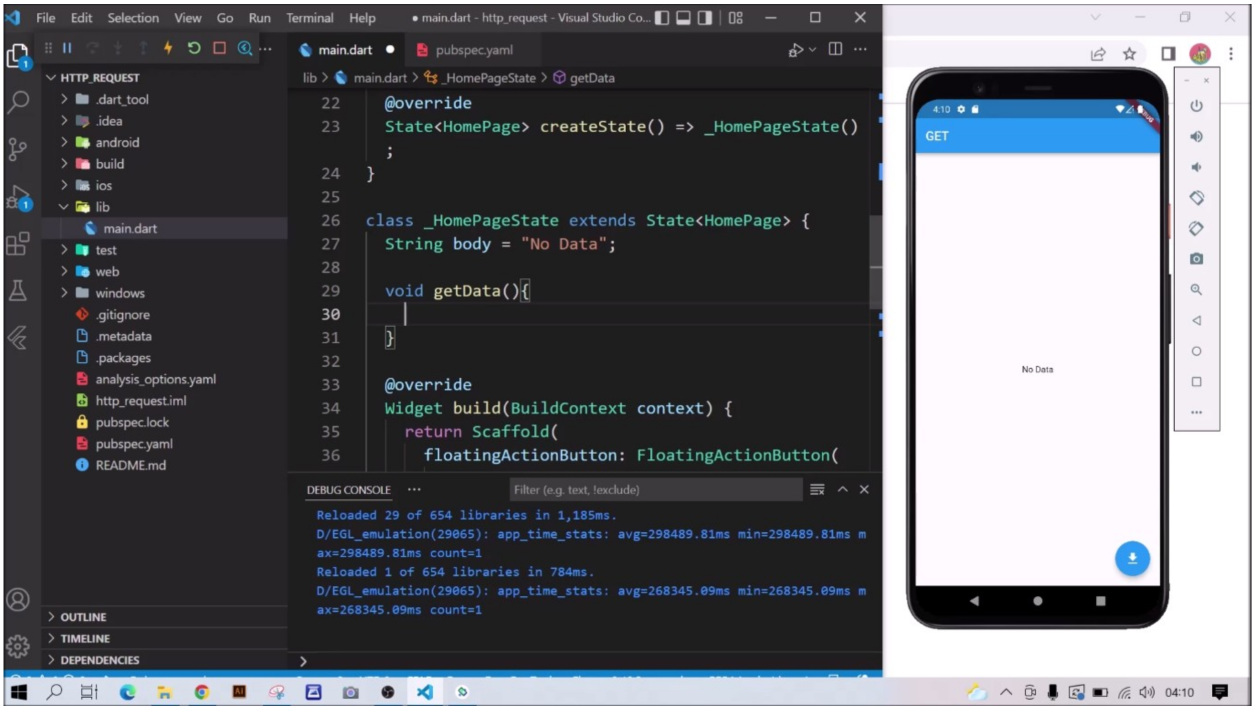
```dart
          child: Icon(Icons.get_app),
        ), // FloatingActionButton
        appBar: AppBar(
          title: Text("GET"),
        ), // AppBar
        body: Center(
          child: Text(body),
        ), // Center
      ); // Scaffold
    }
}

```

```
Reloaded 29 of 654 libraries in 1,185ms.
D/EGL_emulation(29065): app_time_stats: avg=298489.81ms min=298489.81ms m
ax=298489.81ms count=1
Reloaded 1 of 654 libraries in 784ms.
D/EGL_emulation(29065): app_time_stats: avg=268345.09ms min=268345.09ms m
ax=268345.09ms count=1
```

Sudah bungkus string body

Di floating onprssed kita buat getData

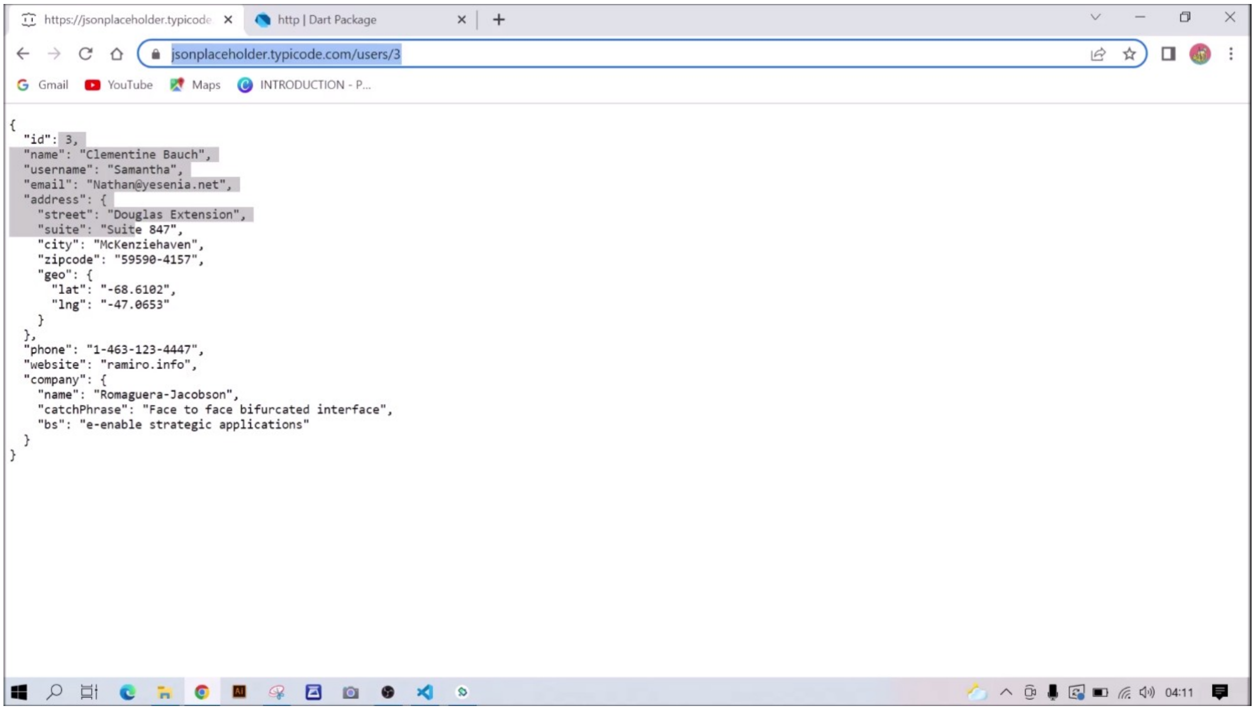
Kemudian buat function disini



```dart
  @override
  State<HomePage> createState() => _HomePageState()
  ;
}

class _HomePageState extends State<HomePage> {
  String body = "No Data";

  void getData(){
    
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      floatingActionButton: FloatingActionButton(
```

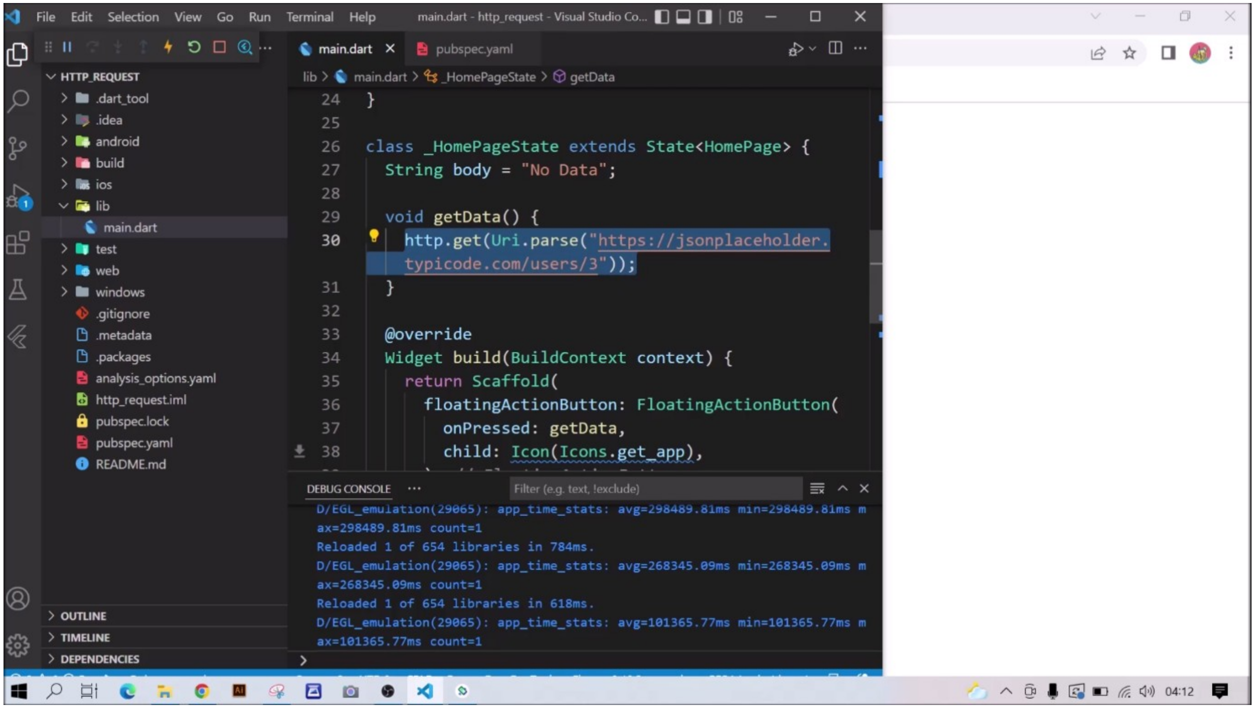
```
Reloaded 29 of 654 libraries in 1,185ms.
D/EGL_emulation(29065): app_time_stats: avg=298489.81ms min=298489.81ms m
ax=298489.81ms count=1
Reloaded 1 of 654 libraries in 784ms.
D/EGL_emulation(29065): app_time_stats: avg=268345.09ms min=268345.09ms m
ax=268345.09ms count=1
```

Kita get data yg ini


https://jsonplaceholder.typicode
http | Dart Package
jsonplaceholder.typicode.com/users/3
Gmail
YouTube
Maps
INTRODUCTION - P...
04:11

```json
{
  "id": 3,
  "name": "Clementine Bauch",
  "username": "Samantha",
  "email": "Nathan@yesenia.net",
  "address": {
    "street": "Douglas Extension",
    "suite": "Suite 847",
    "city": "McKenziehaven",
    "zipcode": "59590-4157",
    "geo": {
      "lat": "-68.6102",
      "lng": "-47.0653"
    }
  },
  "phone": "1-463-123-4447",
  "website": "ramiro.info",
  "company": {
    "name": "Romaguera-Jacobson",
    "catchPhrase": "Face to face bifurcated interface",
    "bs": "e-enable strategic applications"
  }
}
```

Sebelumnya kita copy url terlebih dahulu
Untuk men get data dgn method get
Cara nya
.get ini membutuhkan Uri membutuhkan url yg dicopy tadi
Ketik Uri.parse lalu paste

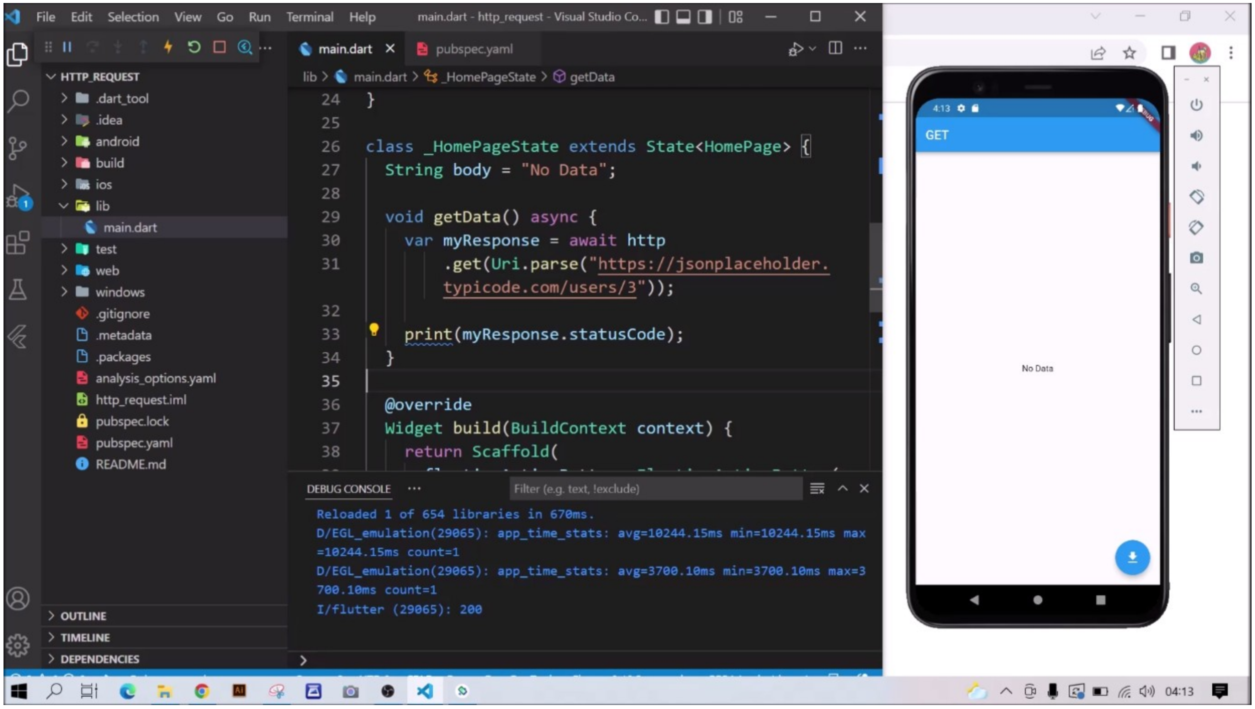

File
Edit
Selection
View
Go
Run
Terminal
Help
main.dart - http_request - Visual Studio Co...
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
main.dart
pubspec.yaml
lib > main.dart > _HomePageState > getData
DEBUG CONSOLE
Filter (e.g. text, !exclude)
04:12

```dart
}

class _HomePageState extends State<HomePage> {
  String body = "No Data";

  void getData() {
    http.get(Uri.parse("https://jsonplaceholder.
    typicode.com/users/3"));
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      floatingActionButton: FloatingActionButton(
        onPressed: getData,
        child: Icon(Icons.get_app),
```

```
D/EGL_emulation(29065): app_time_stats: avg=298489.81ms min=298489.81ms m
ax=298489.81ms count=1
Reloaded 1 of 654 libraries in 784ms.
D/EGL_emulation(29065): app_time_stats: avg=268345.09ms min=268345.09ms m
ax=268345.09ms count=1
Reloaded 1 of 654 libraries in 618ms.
D/EGL_emulation(29065): app_time_stats: avg=101365.77ms min=101365.77ms m
ax=101365.77ms count=1
>
```

Ketika kita get membuthkan waktu tunggu
Tunggu internet lemot atau cepat
Kalua lemat maka lama membutuhkan waktu

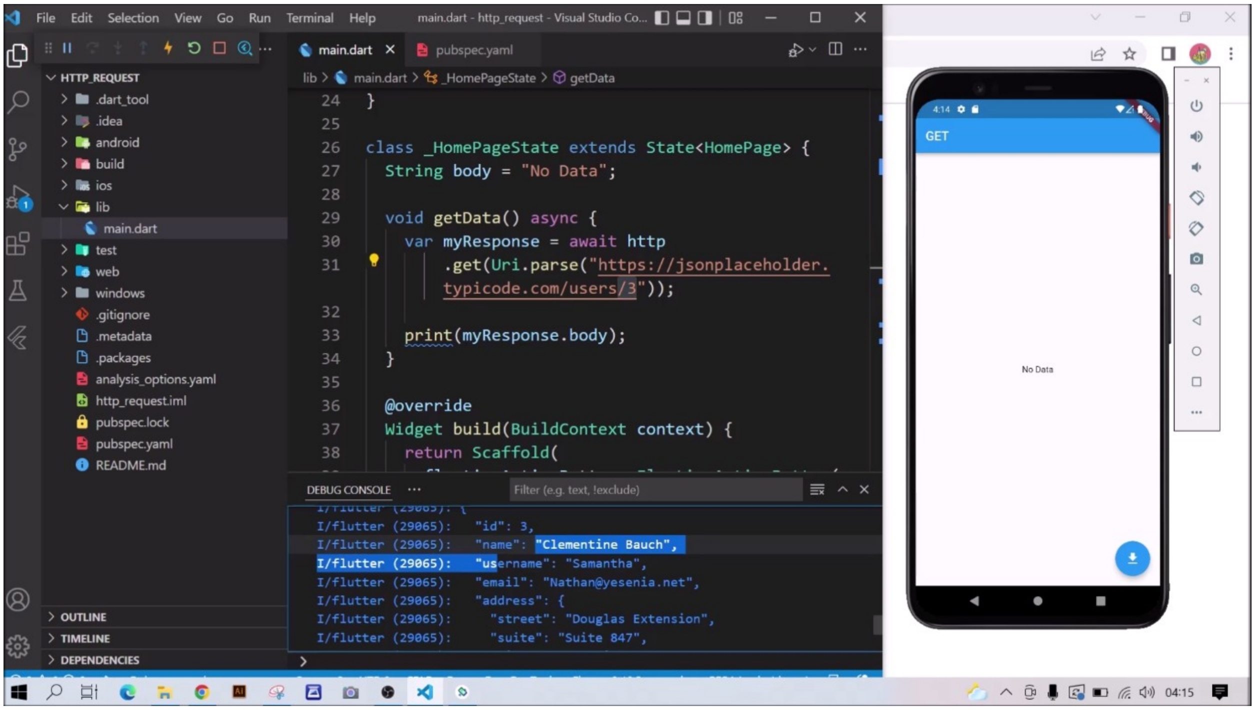
Maka harus menambah await data yg di tunggu kalua internet lagi lama
Ketika pakai await maka di tambah asycn
Maka function menjadi asycoronus
Kita bungkus http.respo kedalam variable
Kita print disni isinya apa
Maka myResponse isi nya bganyak maka kita tampilkan statusCode terdahulu
Save lalu jalankan
Ketika di klik floating button


File Edit Selection View Go Run Terminal Help
main.dart - http_request - Visual Studio Co...
main.dart
pubspec.yaml
lib > main.dart > _HomePageState > getData
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
DEBUG CONSOLE
Filter (e.g. text, !exclude)
4:13
GET
No Data
04:13

```dart
}

class _HomePageState extends State<HomePage> {
  String body = "No Data";

  void getData() async {
    var myResponse = await http
        .get(Uri.parse("https://jsonplaceholder.typicode.com/users/3"));

    print(myResponse.statusCode);
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
```

```
Reloaded 1 of 654 libraries in 670ms.
D/EGL_emulation(29065): app_time_stats: avg=10244.15ms min=10244.15ms max
=10244.15ms count=1
D/EGL_emulation(29065): app_time_stats: avg=3700.10ms min=3700.10ms max=3
700.10ms count=1
I/flutter (29065): 200
```

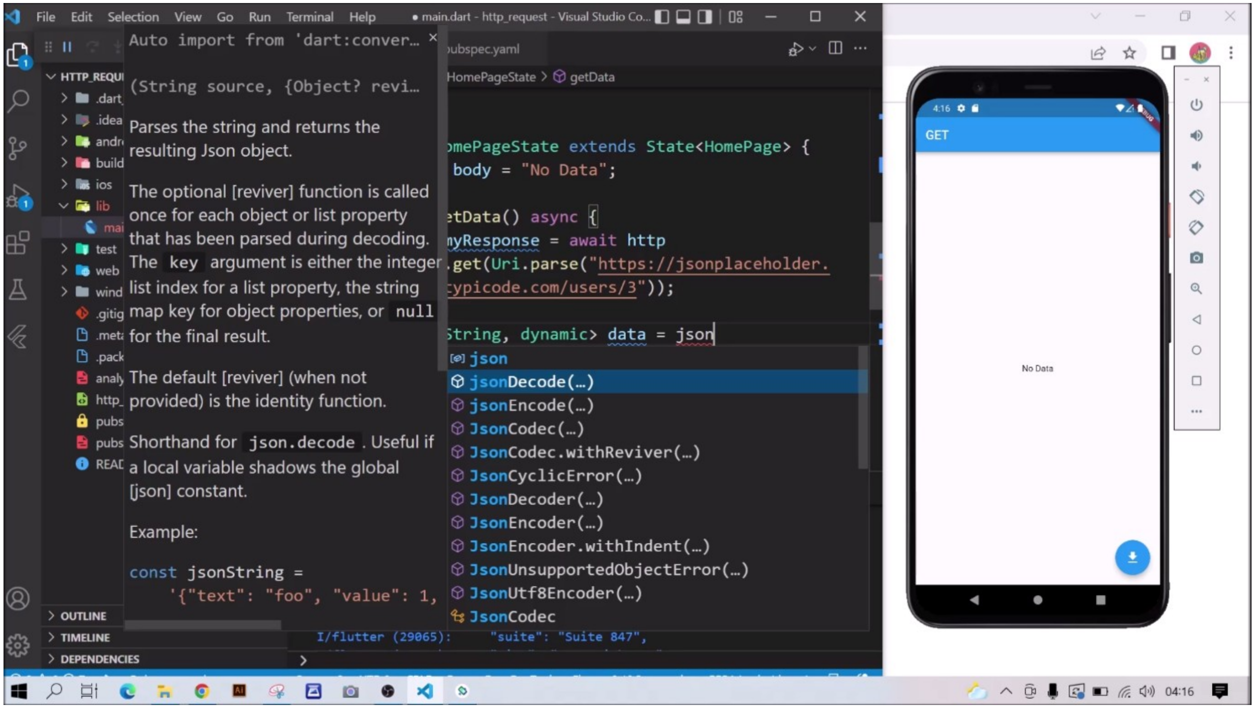
Maka status code menampilkan 200
Ketika sukses mengambil data itu statusCode 200
Kalua kita berhasil mendapatkan data maka status code itu 200
Coba ganti ke body


main.dart - http_request - Visual Studio Co...
main.dart
pubspec.yaml
lib > main.dart > _HomePageState > getData
DEBUG CONSOLE
GET
No Data

```dart
}

class _HomePageState extends State<HomePage> {
  String body = "No Data";

  void getData() async {
    var myResponse = await http
        .get(Uri.parse("https://jsonplaceholder.
        typicode.com/users/3"));

    print(myResponse.body);
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
```

```
I/flutter (29065):   "id": 3,
I/flutter (29065):   "name": "Clementine Bauch",
I/flutter (29065):   "username": "Samantha",
I/flutter (29065):   "email": "Nathan@yesenia.net",
I/flutter (29065):   "address": {
I/flutter (29065):     "street": "Douglas Extension",
I/flutter (29065):     "suite": "Suite 847",
```

Maka data sudah masuk
Sudah berhasil
Tapi dalam bentuk respon
Kita tidak butuh data nya seperti atau mentah
Kita akan convert dalam map
Buat map namanya data
Untuk menconvert ini mengunakan nama nya jsonDecode


● main.dart - http_request - Visual Studio Co...
pubspec.yaml
HomePageState > getData
json
jsonDecode(…)
jsonEncode(…)
JsonCodec(…)
JsonCodec.withReviver(…)
JsonCyclicError(…)
JsonDecoder(…)
JsonEncoder(…)
JsonEncoder.withIndent(…)
JsonUnsupportedObjectError(…)
JsonUtf8Encoder(…)
JsonCodec
GET
No Data

```
Auto import from 'dart:conver…
(String source, {Object? revi…
```

Parses the string and returns the resulting Json object.

The optional [reviver] function is called once for each object or list property that has been parsed during decoding. The `key` argument is either the integer list index for a list property, the string map key for object properties, or `null` for the final result.

The default [reviver] (when not provided) is the identity function.

Shorthand for `json.decode`. Useful if a local variable shadows the global [json] constant.

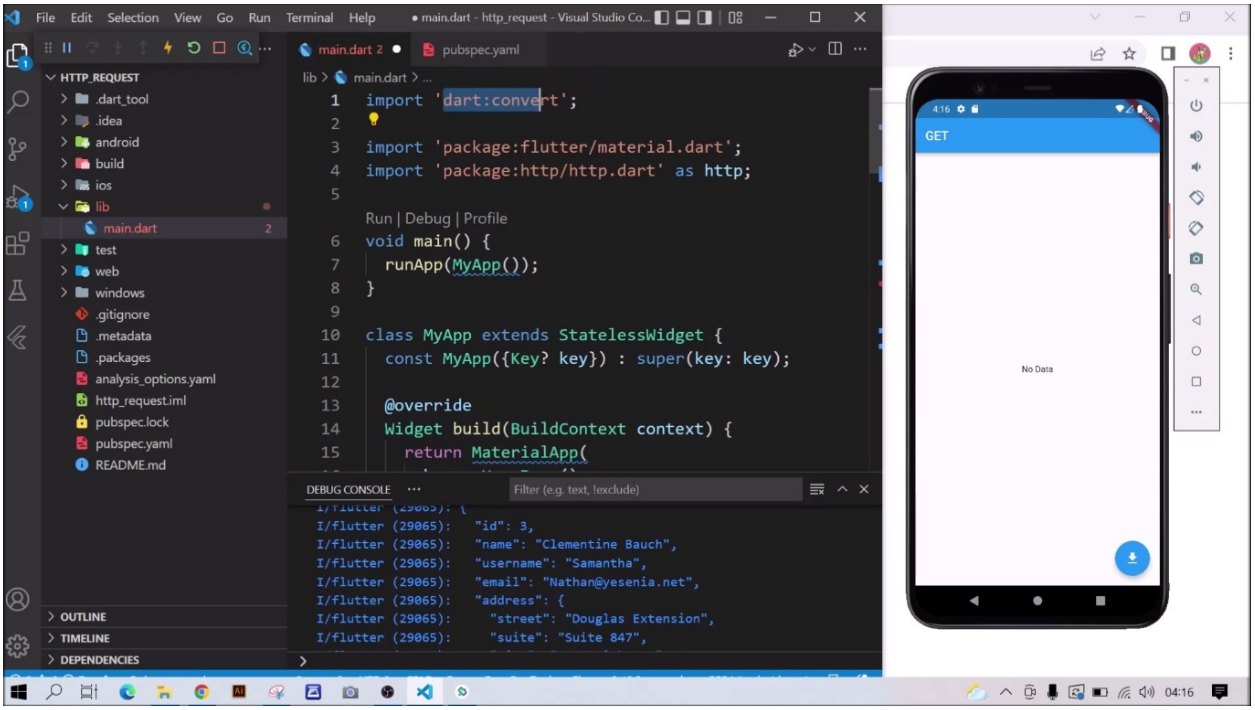
Example:

```dart
const jsonString =
    '{"text": "foo", "value": 1,
```

```dart
omePageState extends State<HomePage> {
 body = "No Data";

etData() async {
yResponse = await http
.get(Uri.parse("https://jsonplaceholder.
ypicode.com/users/3"));

String, dynamic> data = json
```

```
I/flutter (29065):     "suite": "Suite 847",
```

Maka dia otomatis menimport

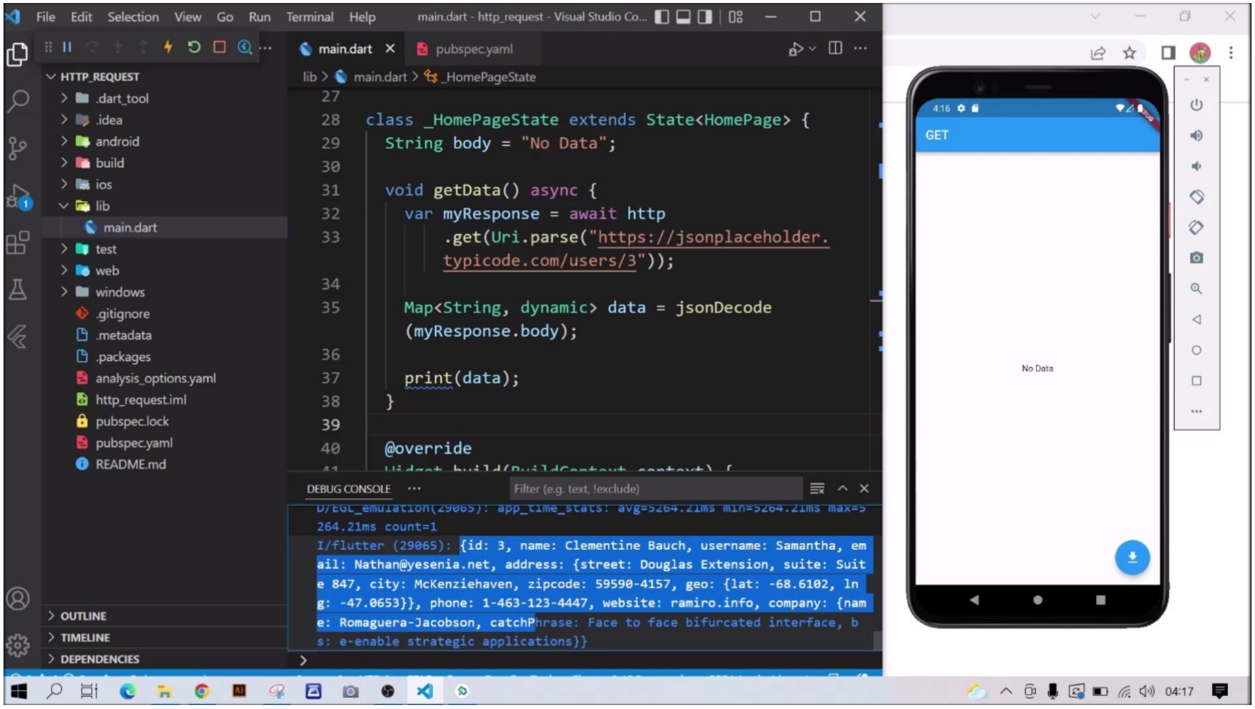


main.dart - http_request - Visual Studio Co...
main.dart 2
pubspec.yaml
HTTP_REQUEST
GET
No Data

```dart
import 'dart:convert';

import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
```

```
I/flutter (29065): {
I/flutter (29065):   "id": 3,
I/flutter (29065):   "name": "Clementine Bauch",
I/flutter (29065):   "username": "Samantha",
I/flutter (29065):   "email": "Nathan@yesenia.net",
I/flutter (29065):   "address": {
I/flutter (29065):     "street": "Douglas Extension",
I/flutter (29065):     "suite": "Suite 847",
```

Json ini sepeti map memiliki key dan value
Apa yg kita convert yaitu myrespon
Lalu kita print data



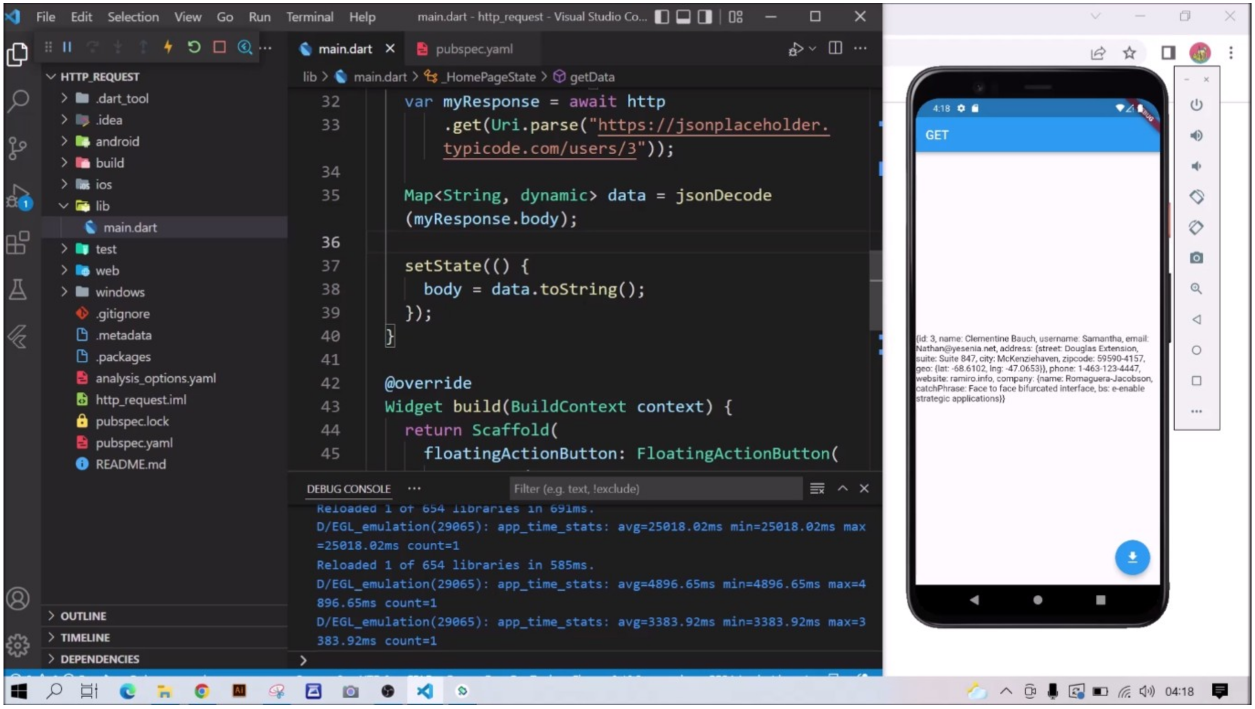
main.dart - http_request - Visual Studio Co...
main.dart
pubspec.yaml
HTTP_REQUEST
GET
No Data

```dart
class _HomePageState extends State<HomePage> {
  String body = "No Data";

  void getData() async {
    var myResponse = await http
        .get(Uri.parse("https://jsonplaceholder.
        typicode.com/users/3"));

    Map<String, dynamic> data = jsonDecode
    (myResponse.body);

    print(data);
  }

  @override
```

```
D/EGL_emulation(29065): app_time_stats: avg=5264.21ms min=5264.21ms max=5
264.21ms count=1
I/flutter (29065): {id: 3, name: Clementine Bauch, username: Samantha, em
ail: Nathan@yesenia.net, address: {street: Douglas Extension, suite: Suit
e 847, city: McKenziehaven, zipcode: 59590-4157, geo: {lat: -68.6102, ln
g: -47.0653}}, phone: 1-463-123-4447, website: ramiro.info, company: {nam
e: Romaguera-Jacobson, catchPhrase: Face to face bifurcated interface, b
s: e-enable strategic applications}}
```

Maka sudah berbentuk object
Data yg kita pakai yg sudah digoreng atau menconvert dgn json
Data ini akan ditampilkann ke body
Body ubah dgn data
Body bentuk string

Jgn lupa mengunakan setState


File
Edit
Selection
View
Go
Run
Terminal
Help
main.dart - http_request - Visual Studio Co...
main.dart
pubspec.yaml
lib > main.dart > _HomePageState > getData
HTTP_REQUEST
.dart_tool
.idea
android
build
ios
lib
main.dart
test
web
windows
.gitignore
.metadata
.packages
analysis_options.yaml
http_request.iml
pubspec.lock
pubspec.yaml
README.md
OUTLINE
TIMELINE
DEPENDENCIES
DEBUG CONSOLE
Filter (e.g. text, !exclude)
GET
04:18

```
    var myResponse = await http
        .get(Uri.parse("https://jsonplaceholder.
        typicode.com/users/3"));

    Map<String, dynamic> data = jsonDecode
    (myResponse.body);

    setState(() {
      body = data.toString();
    });
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      floatingActionButton: FloatingActionButton(
```

```
Reloaded 1 of 654 libraries in 691ms.
D/EGL_emulation(29065): app_time_stats: avg=25018.02ms min=25018.02ms max
=25018.02ms count=1
Reloaded 1 of 654 libraries in 585ms.
D/EGL_emulation(29065): app_time_stats: avg=4896.65ms min=4896.65ms max=4
896.65ms count=1
D/EGL_emulation(29065): app_time_stats: avg=3383.92ms min=3383.92ms max=3
383.92ms count=1
```

```
{id: 3, name: Clementine Bauch, username: Samantha, email:
Nathan@yesenia.net, address: {street: Douglas Extension,
suite: Suite 847, city: McKenziehaven, zipcode: 59590-4157,
geo: {lat: -68.6102, lng: -47.0653}}, phone: 1-463-123-4447,
website: ramiro.info, company: {name: Romaguera-Jacobson,
catchPhrase: Face to face bifurcated interface, bs: e-enable
strategic applications}}
```

Maka sudah berhasil mengambil dari data APi
Untuk video kali ini sampia disini

```
import 'dart:convert';

import 'package:flutter/cupertino.dart';
import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;

void main() {
  runApp(myApp());
}

class myApp extends StatelessWidget {
  const myApp({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: homePage(),
    );
  }
}

class homePage extends StatefulWidget {
  const homePage({Key? key}) : super(key: key);

  @override
  State<homePage> createState() => _homePageState();
}

class _homePageState extends State<homePage> {
  String body = "Tidak ada Data";

  void getData() async {
    var myRespon = await http
```

```
        .get(Uri.parse("https://jsonplaceholder.typicode.com/users/1"));

    // print(myRespon.statusCode);

    Map<String, dynamic> data = jsonDecode(myRespon.body);
    // print(data);
    setState(() {
      body = data.toString();
    });
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      floatingActionButton: FloatingActionButton(
        onPressed: getData,
        child: Icon(Icons.get_app),
      ),
      appBar: AppBar(
        title: Text("Get"),
        centerTitle: true,
      ),
      body: Center(
        child: Text(body),
      ),
    );
  }
}
```